

1 WE CLAIM:

- 2 1. A method for developing traffic messages comprising:
3 obtaining data indicating a plurality of traffic conditions on a road network, for
4 each of said traffic conditions said data provides a start location at which said traffic
5 condition begins and an end location at which said traffic condition ends;
6 for each of said traffic conditions, determining a road length from said start
7 location to said end location; and
8 assigning a priority to said traffic conditions based upon said road lengths.
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- 10 2. The method of Claim 1 further comprising:
11 transmitting said data indicating said traffic conditions in said assigned priority as
12 a plurality of traffic messages.
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- 14 3. The method of Claim 1 further comprising:
15 transmitting said data indicating said traffic conditions as a plurality of traffic
16 messages; and
17 an end user computing platform receiving said traffic messages and processing
18 said traffic messages in said assigned priority.
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- 20 4. The method of Claim 1 further comprising:
21 selecting a subset of said traffic conditions, wherein said traffic conditions of said
22 selected subset having higher assigned priority than said traffic conditions not selected;
23 and
24 transmitting said subset of said traffic as a plurality of traffic messages.
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- 26 5. The method of Claim 1 further comprising:
27 transmitting said data indicating said traffic conditions having higher assigned
28 priority more frequently than data indicating said traffic conditions having lower assigned
29 priority.
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1 6. The method of Claim 1 further comprising:
2 obtaining an event description for each of said traffic conditions; and
3 considering said event descriptions when assigning said priority.
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5 7. The method of Claim 1 further comprising:
6 obtaining a duration for each of said traffic conditions; and
7 considering said durations when assigning said priority.
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9 8. The method of Claim 1 further comprising:
10 for each of said traffic conditions, identifying a road type on which said traffic
11 condition is located; and
12 considering said road types when assigning said priority.
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14 9. The method of Claim 1 further comprising:
15 obtaining a direction affected for each of said traffic conditions; and
16 considering said directions when assigning said priority.
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18 10. The method of Claim 1 further comprising:
19 for each of said traffic conditions, identifying whether a priority location
20 reference code is located within said traffic condition; and
21 considering said identified priority location reference codes when assigning said
22 priority.
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24 11. The method of Claim 1 further comprising:
25 determining whether one of said traffic conditions is co-located or connected with
26 another of said traffic conditions; and
27 considering said co-locations or connections when assigning said priority.
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1 12. The method of Claim 1 further comprising:
2 using a plurality of predetermined range of road length categories;
3 for each of said traffic conditions, determining which road length category said
4 road length of said traffic condition belongs;
5 changing said assigned priority of said traffic conditions within each of said road
6 length categories based upon considering traffic condition information, wherein said
7 traffic condition information includes at least one of: a type of traffic condition, a road
8 type on which said traffic condition is located, a priority location is located within said
9 traffic condition, a direction affected by said traffic condition, a duration of said traffic
10 condition and co-location or connection with another of said traffic conditions.

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12 13. A method for developing traffic messages comprising:
13 obtaining data indicating a plurality of traffic conditions on a road network; and
14 prioritizing said traffic conditions based upon considering at least one of: a road
15 length affected by said traffic condition, a type of traffic condition, a road type on which
16 said traffic condition is located, a priority location is located within said traffic condition,
17 a direction affected by said traffic condition, a duration of said traffic condition and co-
18 location or connection with another of said traffic conditions.

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20 14. The method of Claim 13 wherein said step of prioritizing considers more
21 than one of the traffic condition information and assigns a weighting factor to each of
22 said considered traffic condition information.

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24 15. The method of Claim 13 wherein said step of prioritizing considers at least
25 one of said traffic condition information to form a preliminary order and considers at
26 least another of said traffic condition information to modify said preliminary order.

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28 16. The method of Claim 13 wherein said direction is a direction of a
29 commute.

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1 17. The method of Claim 13 further comprising:
2 transmitting said data indicating said traffic conditions in a sequence established
3 by said step of prioritizing.

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5 18. The method of Claim 13 further comprising
6 selecting a subset of said traffic conditions, wherein said traffic conditions of said
7 selected subset having higher priority than said traffic conditions not selected; and
8 transmitting said subset of said traffic as a plurality of traffic messages.

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10 19. The method of Claim 18 wherein said subset of said traffic conditions is a
11 predefined number of traffic conditions located within a broadcast service area.

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13 20. A method for developing traffic messages comprising:
14 obtaining data indicating a plurality of traffic conditions on a road network, for
15 each of said traffic conditions said data provides a start location reference code
16 representing a location at which said traffic condition begins, an end location reference
17 code representing a location at which said traffic condition ends and an event description;
18 ranking said traffic conditions into a prioritized order based upon considering at
19 least one of: a road length affected by said traffic condition, an importance of said event
20 description, a road type on which said traffic condition is located, a priority location is
21 located within said traffic condition, a direction affected by said traffic condition and co-
22 location or connection with another of said traffic conditions;
23 transmitting said data indicating said traffic condition in said order as a plurality
24 of traffic messages.

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26 21. The method of Claim 20 further comprising assigning a weighting factor
27 to at least one of: said road length, said importance of said event description, said road
28 type, said priority location, said direction and said co-location or said connection.
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1 22. The method of Claim 20 further comprising an end user computing
2 platform receiving said traffic messages and processing said traffic messages in said
3 prioritized order.

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5 23. The method of Claim 20 wherein a number of traffic messages transmitted
6 is less than a total number of said traffic conditions.

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